

MAINASARA OREOLUWA OLULANKE

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WORK EXPERIENCE

Full-Stack Engineer (Contract)

February 2026 — March 2026

Cave Foundation

- Developed the full web platform for candidate onboarding and information passing, handling the complete data flow from submission to review.
- Responded to and implemented client feature requests in record time, iterating quickly across multiple release cycles.

Front-End Engineer (Contract)

October 2025 — December 2025

AfriTransfer

- Built and maintained internal web applications using Next.js, TypeScript, and REST APIs, improving cross-departmental workflow efficiency and data management.
- Resolved UI performance, cross-browser compatibility, and API response issues across production environments.

IT Engineer & Front-End Developer Intern

May 2025 — October 2025

CWG PLC

- Developed internal tooling interfaces using front-end technologies to enhance staff workflow and data visibility across departments.
- Resolved 10+ IT issues weekly across hardware, software, and network infrastructure; configured and maintained servers, laptops, and network devices.
- Monitored enterprise security systems (Sophos, Unifi), maintaining high uptime and operational reliability.

Lead Front-End Developer & Instructor

September 2024 — June 2025

TechyVibration

- Led frontend development training for a cohort of junior developers, designing lesson plans and mentoring on engineering best practices.
- Conducted code reviews and guided trainees through real project builds, reinforcing production-grade coding standards.

PROJECTS

SafiPay — Fraud Detection System

April 2026

Python, scikit-learn, XGBoost, FastAPI, Next.js, PostgreSQL, Kaggle GPU

- Designed and trained a 3-phase ML pipeline (Logistic Regression, Random Forest, XGBoost) on the PaySim dataset (6M+ transactions) for real-time fraud detection, achieving strong F1 scores across all phases.
- Built a full-stack deployment: FastAPI ML inference server, Express.js auth/routing, Next.js dashboard with SSE streaming for real-time batch upload progress, and a PostgreSQL database.

My Butler — AI Fashion & E-Commerce Platform

January 2026

Next.js, REST APIs, Supabase, Tailwind CSS, Framer Motion

- Built an AI-powered style advice chat, camera-based outfit capture, real-time auth, blog/event system, and a relational database with triggered user data handling.
- Implemented e-commerce flows including product listings and profile customization, with smooth animations for an immersive user experience.

Moova — AI-Powered Trip Planner

August 2025

Next.js, Gemini AI, Supabase, Clerk, Tailwind CSS

- Integrated Gemini AI to generate personalized travel itineraries based on mood, budget, and timeframe; implemented webhook-driven profile sync and dynamic cost breakdowns.

TECHNICAL SKILLS

ML / AI: Python, scikit-learn, XGBoost, Random Forest, Logistic Regression, PyTorch

Backend: FastAPI, Node.js, Express.js, REST APIs, PostgreSQL, Supabase, Firebase

Frontend: TypeScript, React, Next.js, Tailwind CSS, Framer Motion, Shadcn UI

Tools & Concepts: Git, GitHub, Kaggle, Postman, Figma, ML pipelines, data preprocessing, system design

EDUCATION

B.Sc. Computer Science, Redeemer's University

September 2023 — October 2026

CGPA: 4.80 / 5.00 (Excellent Standing)

Relevant Coursework: Artificial Intelligence, Machine Learning with R, Design & Analysis of Algorithms, Automata Theory & Computability, Data Structures & Algorithms, Database Systems.